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CLASS 8th

SYLLABUS

The Actual Question Paper contains 40 questions. The duration of the test paper is 60 Minutes

Section I. • Synthetic fibres and plastics & Materials : metals and non-metals • Coal and petroleum & Combustion and flame • Sound & Light • Force, Pressure & Friction • Chemical effects of electric current • Some natural phenomena; Stars and the solar system • Crop production and Its Management • Cell its structure and functions & Microorganisms : Useful and Harmful Effects • Animals Reproduction • Conservation of plants and animals & Air and Water Pollution & Adult Age.
Section II. Applied Science

1. Which of the following polymers is bad conductor of electricity?

- (A) plastic (B) steel
(C) copper (D) vinyl rubber
(E) None of these

Chapter : Synthetic fibres and plastics and materials: Metals and Non metals

Skill Tested : Identifying properties of polymers

2. What is the noise level that hurt the ears?

- (A) 80-90 dB (B) 120-140Db
(C) 100-120Db (D) 140-150Db
(E) None of these

Chapter : Sound and Light

Skill Tested : Understanding various levels of sounds

3. Statement A: When a beam of light falls on a smooth surface, the rays of the beam are reflected in the same direction is known as regular reflection.

Statement B: When a beam of light falls on a smooth surface, the rays of the beam are reflected in the sa

- (A) Statement B is False and Statement A is True.
(B) Statement A is False and Statement B is True.
(C) Statement B is False and Statement A is True.
(D) Both, Statement A and Statement B are False.

Chapter : Sound and Light

Skill Tested : Understanding reflection of light

4. What is the value of gravitational force acting on 100-g mass of the body?

- (A) 10 N (B) 9.89 N
(C) 8.9 N (D) 9.8 N
(E) None of these

Chapter : Force, pressure, and friction

Skill Tested : Calculating gravitational force

5. Statement A: You can make the distilled water to conduct the electricity by dissolving some common salt in it.

Statement B: Salt solution of the distilled water conducts electricity.

- (A) Statement B is False and Statement A is True.
(B) Statement A is False and Statement B is True.

- (C) Statement B is False and Statement A is True.
 (D) Both, Statement A and Statement B are False.

Chapter : Chemical effects of electric current

Skill Tested : Effect of electricity on distilled water

6. How many years does neptune take to complete one revolution?

- (A) 2 years (B) 155.67 years
 (C) 165.75 years (D) 164.79 years
 (E) None of these

Chapter : Some natural phenomena; Stars and solar system

Skill Tested : knowing facts about planets in our solar system

7. What happens when excessive water is supplied to the crops?

- (A) excessive water helps the crop to grow
 (B) excessive water causes water logging and stops the roots from breathing
 (C) excessive water causes water-logging and stops the roots from breathing and causes salinisation of the soil
 (D) excessive water causes salinisation of the soil only
 (E) None of these

Chapter : Crop production and its management

Skill Tested : Understanding irrigation

8. Which of the following green algae is unicellular?

- (A) volvox
 (B) spirogyra
 (C) oedogonium
 (D) chlamydomonas
 (E) None of these

Chapter : Cell its structure and functions and microorganisms: useful and harmful effects

Skill Tested : Some facts about algae

9. Statement A: Filtration of water from the sedimentation can be done through activated charcoal.

Statement B: Activated charcoal affords better quality water.

- (A) Statement B is False and Statement A is True.

- (B) Statement A is False and Statement B is True.
 (C) Statement B is False and Statement A is True.
 (D) Both, Statement A and Statement B are False.

Chapter : Conservation of plants and animals & air and water pollution & adult age

Skill Tested :iltration of water

10. Which of the following is used to burn rocket fuel?

- (A) liquid nitrogen
 (B) carbon
 (C) liquid oxygen
 (D) liquid sulphur
 (E) None of these

Chapter : Coal and petroleum & combustion and flame

Skill Tested : Substances used to support combustion

11. Which of the following is used to make porcelain?

- (A) algin (B) agar
 (C) red algae (D) diatoms
 (E) None of these

Chapter : Synthetic fibres and plastics and materials: Metals and Non metals

Skill Tested : Knowing about various synthetic materials

12. Statement A: The less active metals displace the more active metals from its compounds in solution.

Statement B: Metals are very hard and strong solids.

- (A) Statement B is False and Statement A is True.
 (B) Statement A is False and Statement B is True.
 (C) Statement B is False and Statement A is True.
 (D) Both, Statement A and Statement B are False.

Chapter : Synthetic fibres and plastics and materials: Metals and Non metals

Skill Tested : Identifying properties of metals

13. Which of the following cells transport food?

- (A) xylem (B) guard
 (C) phloem (D) cheek
 (E) None of these

Chapter : Cell its structure and functions and microorganisms: useful and harmful effects

Skill Tested : Understanding facts about plant cells

14. Match the following:

Column A	Column B
1. Coal	(A) anaerobic fermentation of cattle dung
2. Petroleum gas	(B) directly transported through pipes
3. Biogas	(C) contains carbon as the main combustible
4. Natural gas	(D) fractional distillation

(A) 1-C, 2-D, 3-A, 4-B

(B) 1-A, 2-C, 3-D, 4-B

(C) 1-A, 2-D, 3-C, 4-B

(D) 1-C, 2-D, 3-D, 4-A

(E) None of these

Chapter : Coal and petroleum, combustion and flame**Skill Tested :** Some facts about different fuels

15. Match the following:

Column A	Column B
1. Meteor	(A) meteoroids that fall on a moon
2. Full moon	(B) a small round body that orbits the sun
3. Meteorites	(C) purnima
4. Dwarf planet	(D) streak of light caused by a burning meteoroid

(A) 1-D, 2-B, 3-A, 4-C

(B) 1-D, 2-C, 3-A, 4-B

(C) 1-A, 2-C, 3-D, 4-B

(D) 1-D, 2-A, 3-C, 4-B

(E) None of these

Chapter : Some natural phenomena; Stars and solar system**Skill Tested :** knowing solar system

ANSWERS

1. A 2. B 3. A 4. D 5. C 6. D 7. C 8. D 9. C 10. C 11. D 12. B
13. B 14. A 15. B